

ADA Compliance in Work Zones



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Your Presenter



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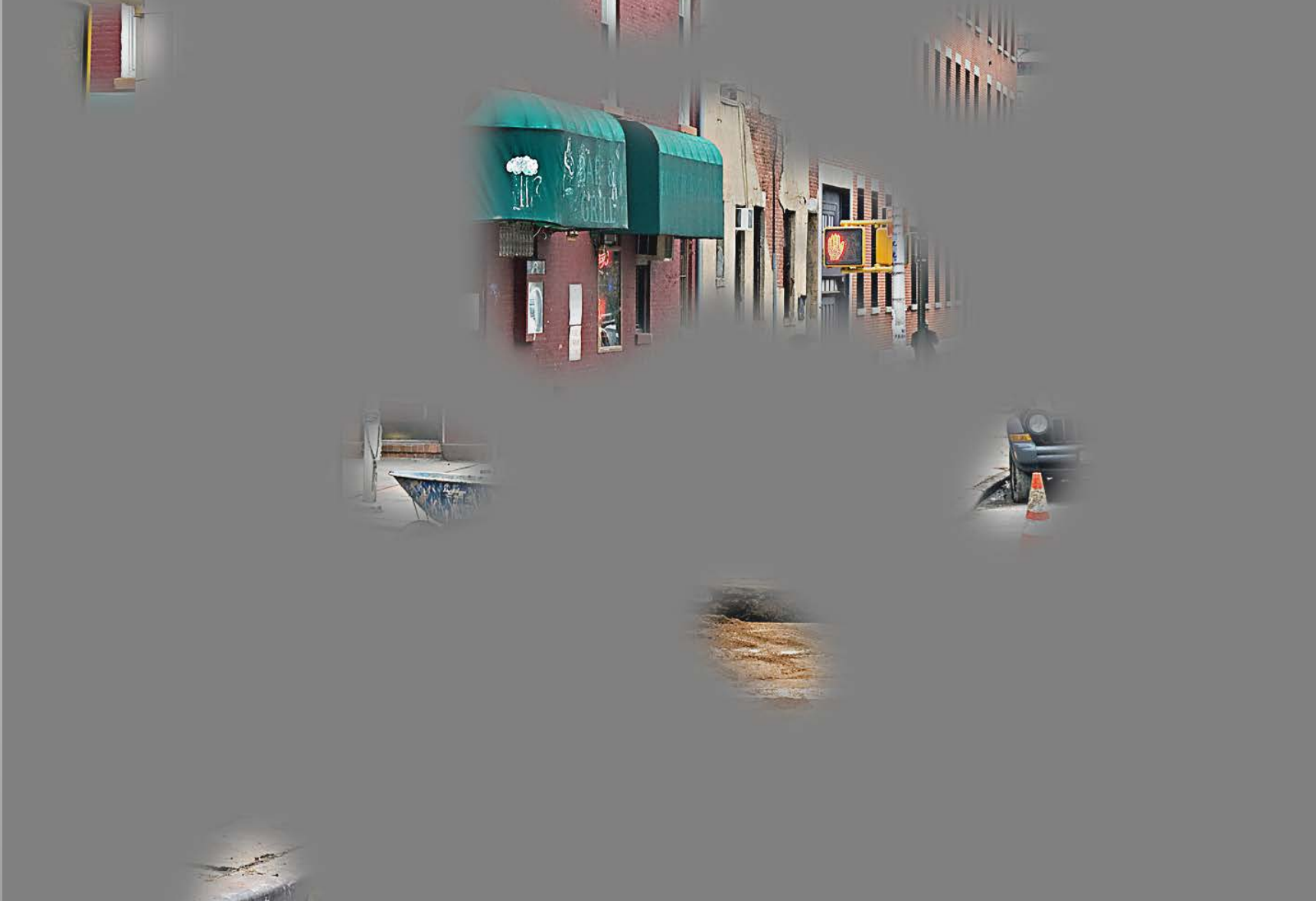
Pedestrian Safety: “Normal” Vision



Pedestrian with Central Vision loss



Pedestrian with Peripheral Vision Loss



Pedestrian with Overall Acuity Loss



Pedestrian who is Totally Blind



Definitions: Accessible



Definitions: Detectable



Definitions: Pedestrians

Dictionary.com:

pe·des·tri·an

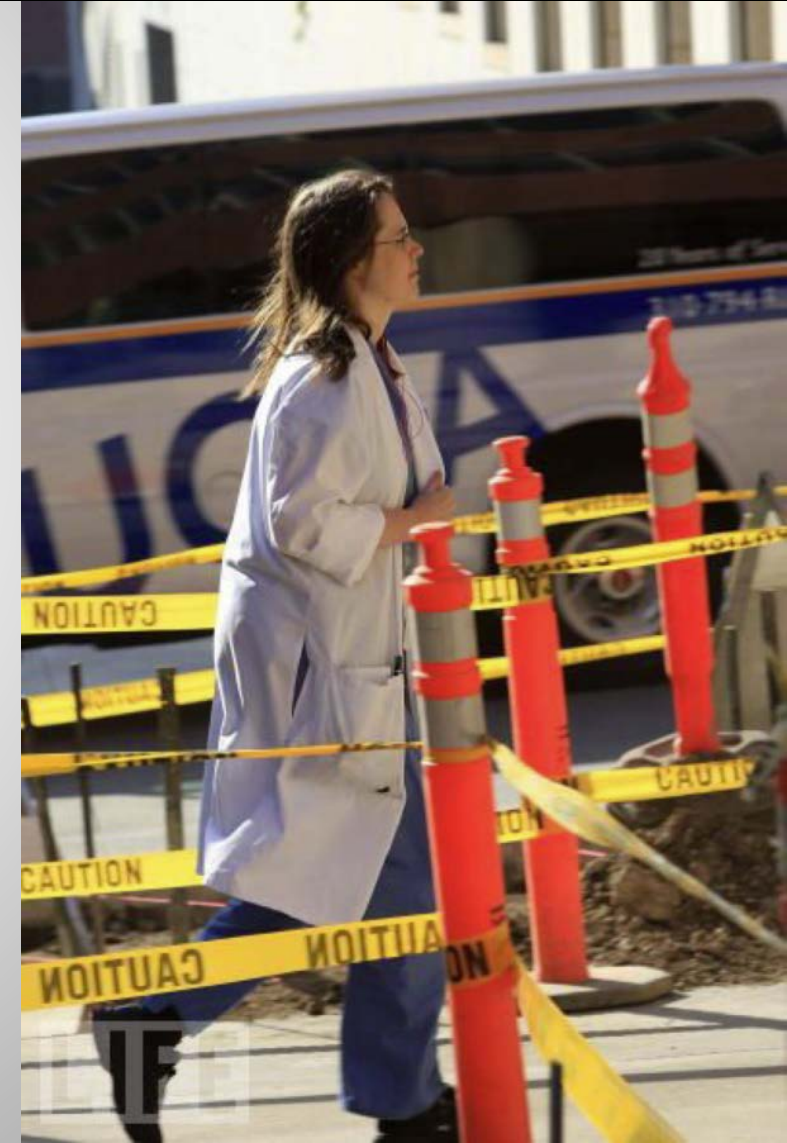
Noun:

1. a person who goes or travels on foot; **walker**.

Adjective:

2. going or performed on foot; **walking**.

3. of or pertaining to **walking**.



This is Richard.





Accessible, Detectable Work Zone?



Accessible, Detectable?



Accessible, Detectable?



Potential Cost of Non-Compliance: State

CA Dept. of Transportation Consent Agreement, 2010



Settlement:

- Caltrans to spend **\$1.1 Billion** over 30 years
- Make **existing sidewalks** accessible
- Use **alternate pedestrian routes** around construction sites
- Alternate routes must be accessible to **persons with disabilities**

Potential Cost of Non-Compliance: City

“Seattle may have to spend millions making sidewalks more accessible” - Seattle Times, April 3, 2017

“The Seattle case is among a flurry of ADA lawsuits across the country in recent years, many of which have forced cities to increase their spending on sidewalks and curb ramps by tens of millions of dollars or more.”

Potential Cost of Non-Compliance: Industry

“Jury awards \$2 Million to Family...”

“...the general contractor...and a sub-contractor...were negligent for failing to provide a safe pedestrian path after a portion of the existing sidewalk was removed...”

-From Post-Newsweek Media,
Gazette.net, August 2, 2011

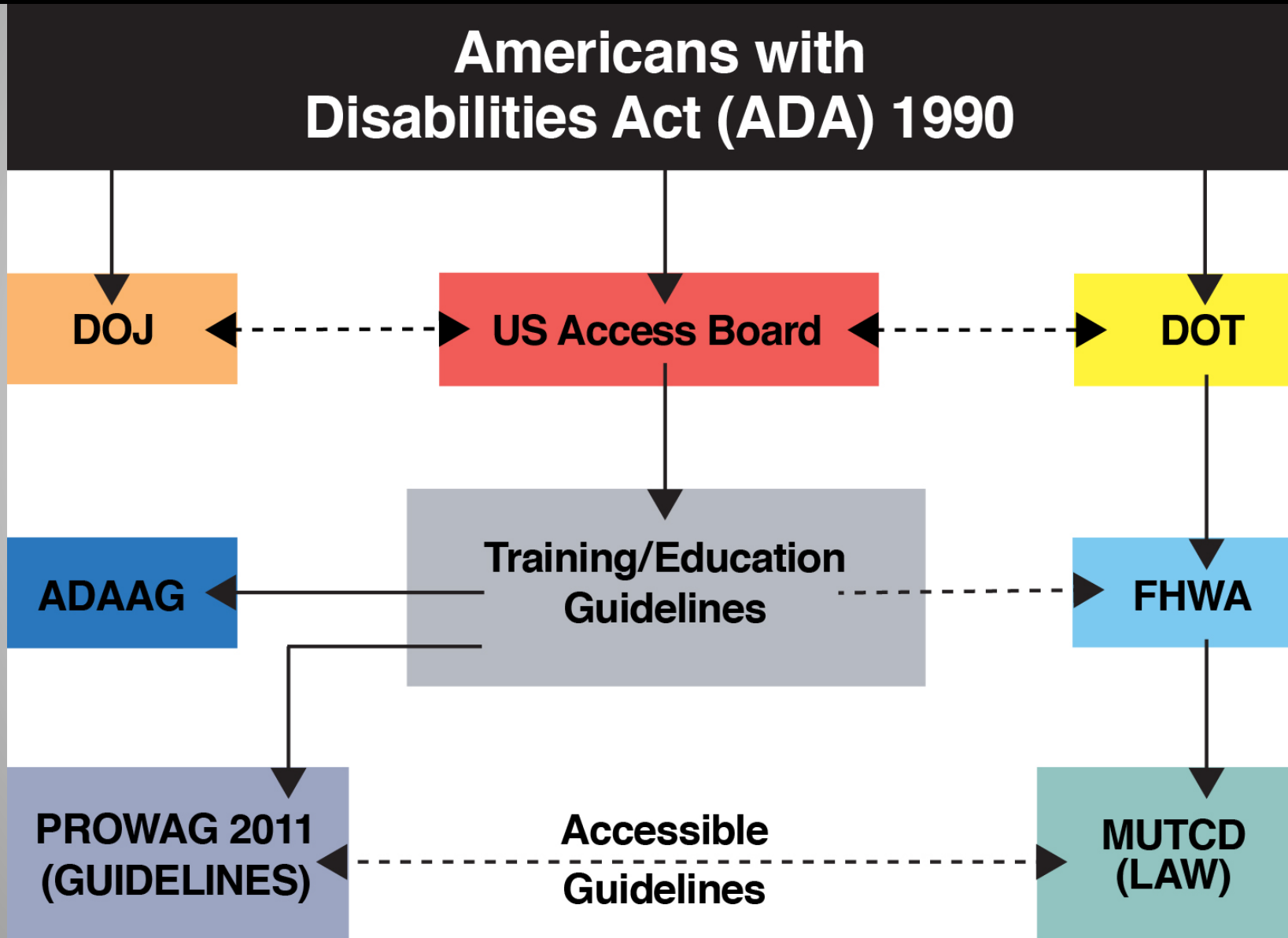
Regulating Agency: US Access Board

Functions:

- Develops design criteria
- Provides technical assistance, training
- DOJ enforces accessibility standards



Regulating Agencies



Access Board Guidelines: PROWAG



***PROWAG: Public Rights of Way
Accessibility Guidelines***

Sample PROWAG Guideline



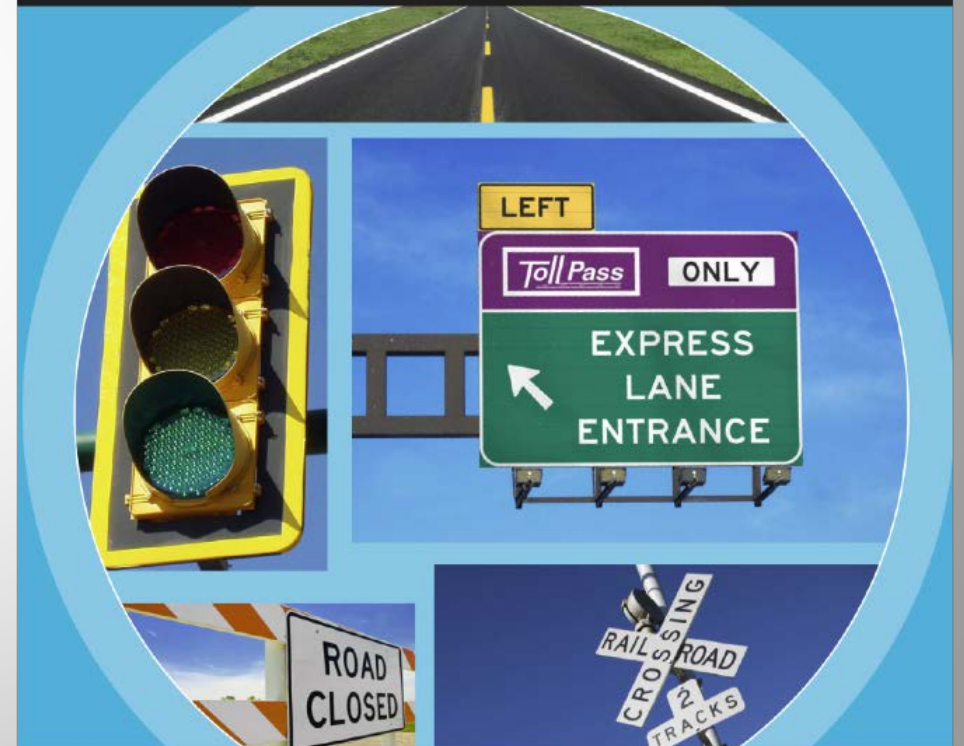
R302.4, Barricades & Channelizing Devices:

- Continuous, stable, non-flexible.
- Consists of devices from MUTCD.

FHWA Guidance: MUTCD

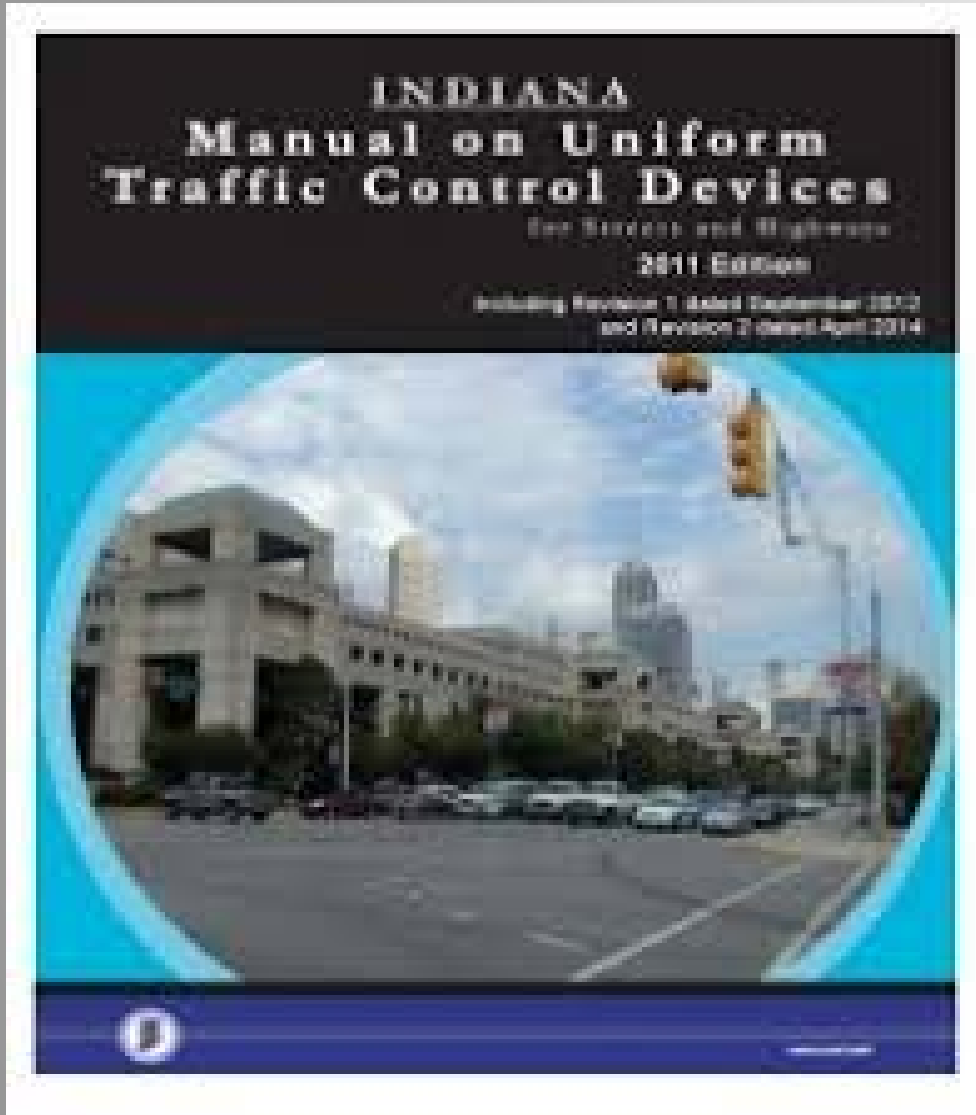
MUTCD: Manual on Uniform Traffic Control Devices

**Manual on Uniform
Traffic Control Devices**
for Streets and Highways
2009 Edition



U.S. Department of Transportation
Federal Highway Administration

State MUTCD



- **Governs on every public road in Indiana, and on certain private property.**
- **Under state law, every road authority in IN is required to follow IN MUTCD.**

MUTCD Standards: Accessible Work Zones

Section 6D.01, Pedestrian Considerations:

Accessibility and
detectability
SHALL be
maintained in any
alternate route.



MUTCD Standards: Accessible Work Zones



Section 6F.63, Channelizing Devices

- Devices **SHALL** be detectable and visible
- Devices **SHALL** have continuous top and bottom surfaces
- **Top: 32" min. above the ground**
- **Bottom: 2" max. above ground**

MUTCD Standards: Accessible Work Zones

**Section 6F.71,
Pedestrian
Considerations,
Longitudinal
Channelizing Devices**



MUTCD Standards: Accessible Work Zones

**Section 6F.74,
Detectable Edging
For Pedestrians**



MUTCD Standards: Accessible Work Zones



**Section 6F.14,
Sidewalk
Closure Signs**

MUTCD Standards: Accessible Work Zones

**Section 6D.02,
Accessibility
Considerations**



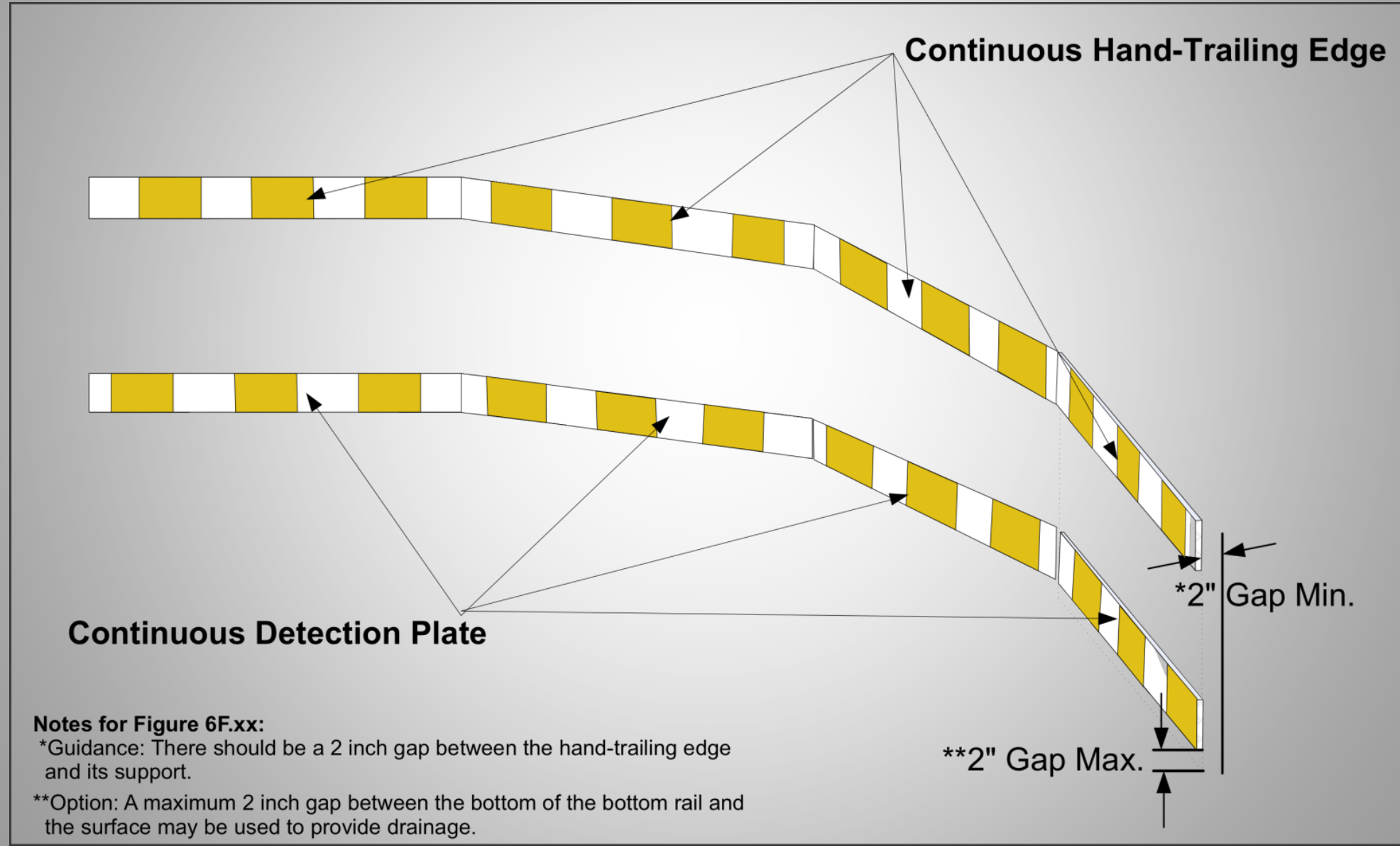
**Audible
Information
Device
mounted to a
Vertical Panel**

Accessible Work Zones: Components



- **TTC Devices**
- **Pathway & Surface**
- **Temporary Ramps**
- **Sidewalk Closures**

Components: TTC Devices



Components: Sidewalk Closures



Components: Surface



Components: Surface

Broken, Interrupted, or Changes in Levels:

- Surface $< 1/2$ " max
- Use ramp for broken surfaces > 2 "
- Cross-slope shall be 2% max



Components: Pathway



- Walkways shall be 5' in clear width
- If less than 5', passing spaces of 5' x 5', every 200'
- Intrusion free

Components: Temporary Ramps



Components: Temporary Ramps

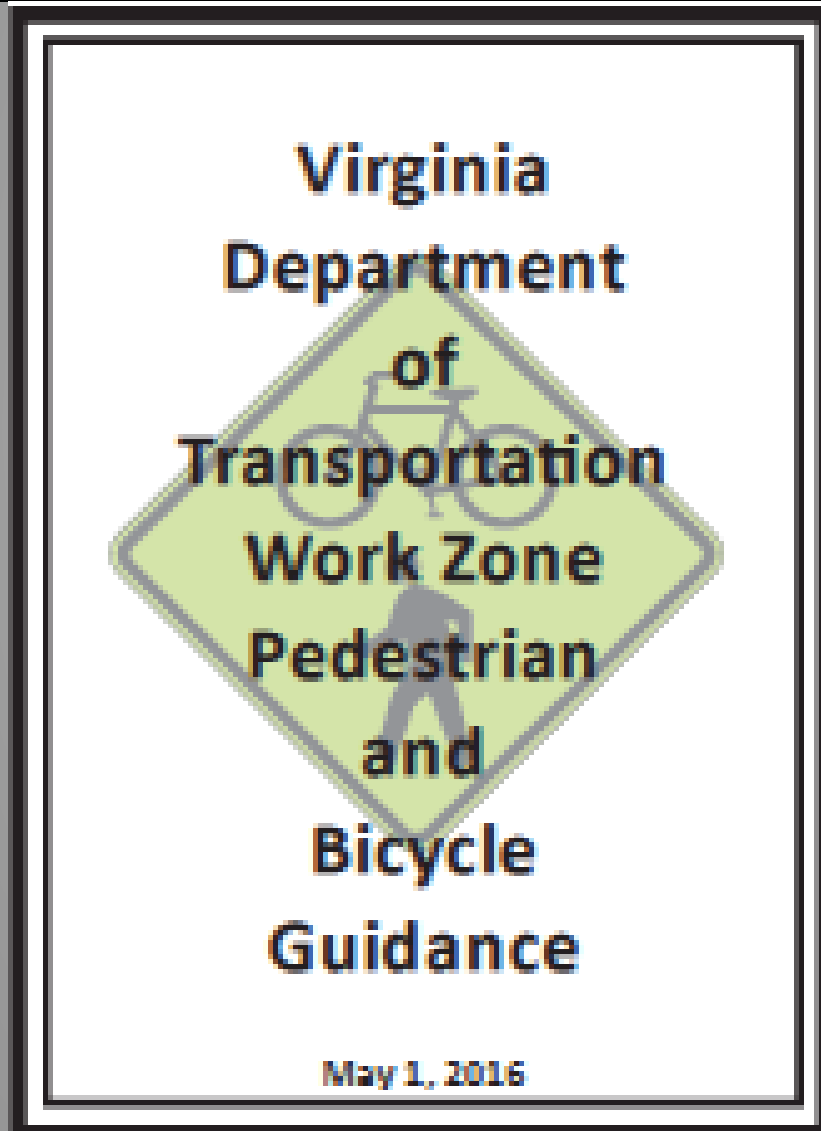


Components: Alternate Pedestrian Access Routes



- Width of Pathway
- Pathway Surface
- Sidewalk Closures
- Channelizing Devices
- Temporary Ramps
- Signs & Audible Information Devices

Sidewalk Construction Policy: Elements



- **Accessible Work Zones**
- **Governing Regulations**
- **Purpose of Sidewalk Closure**
- **Duration of Closure**
- **Approved Work Zone Devices**

More Elements: Education, Inspection, Enforcement

“Construction Crew Rebuilds Sidewalk 3 Times”



Case Study #1



































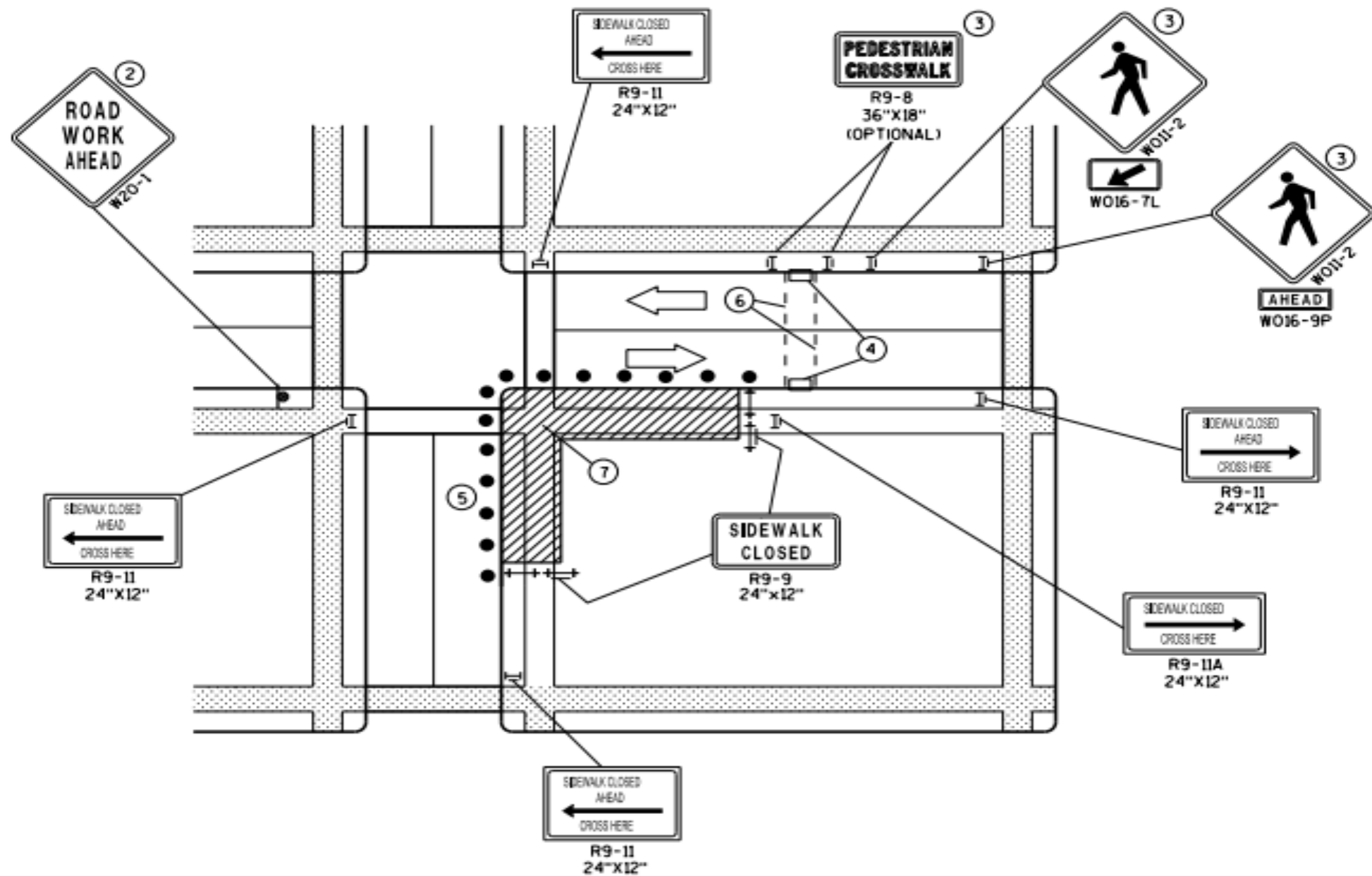




CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK





Case Study #2: Mid-Block Closure







WALKWAY
↓



WALKWAY
↓



WALKWAY

Safety/Well
Plastic Safety & Security Inc.
1000-1000-1000
www.safetywell.com

Safety/Well
Plastic Safety & Security Inc.
1000-1000-1000
www.safetywell.com



WALKWAY

SafetyWall
Plastic Safety Systems, Inc.
800-662-4338
www.plasticsafety.com

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**SIDEWALK
→ CLOSED →
USE TEMPORARY
WALKWAY**

**SIDEWALK
← CLOSED ←
USE TEMPORARY
WALKWAY**

WALKWAY

Case Study #3: Partial Closure





















Case Study #4: The Whole Block































Remember
Richard.



The background of the slide features a series of concentric circles in various shades of gray, creating a ripple effect that radiates from the center. A solid black horizontal band runs across the middle of the image, serving as a backdrop for the text.

Questions?

Thank You!



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